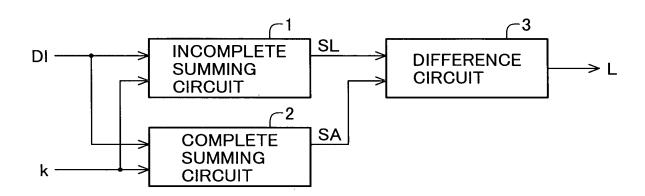
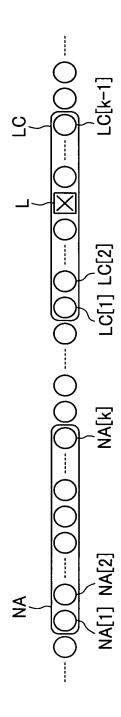
App No.: NEW Docket No.: 1190-0625PUS1
Inventor: Satoshi YAMANAKA et al.
Title: MEAN PRESERVING INTERPOLATION CALCULATION CIRCUIT,
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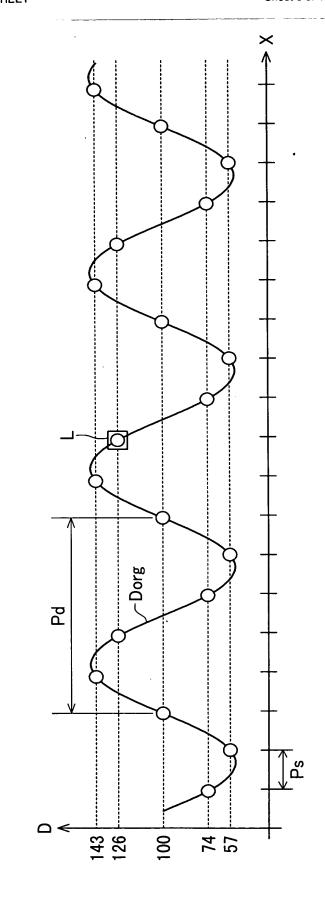
FIG.1



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Inventor: Satoshi YAMANAKA et al.
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FIG. 2

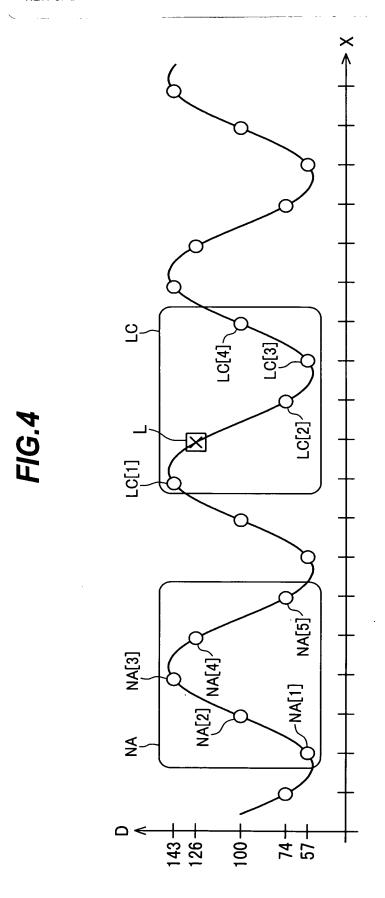


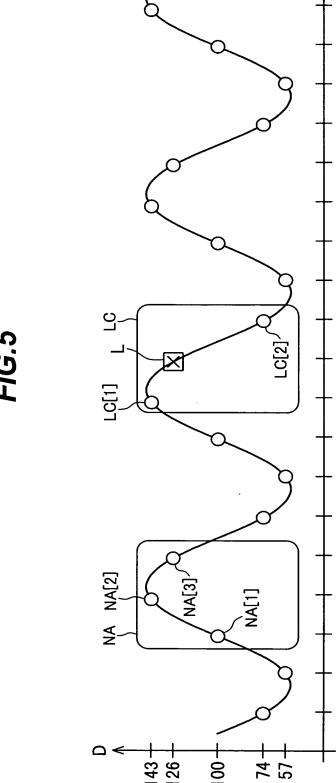


F/G.3

App No.: NEW Docket No.: 1190-0625PU Inventor: Satoshi YAMANAKA et al.
Title: MEAN PRESERVING INTERPOLATION CALCULATION CIRCUIT, PIXEL INTERPOLATION CIRCUIT, MEAN PRESERVING INTERPOLATION METHOD, AND PIXEL INTERPOLATION METHOD NEW SHEET Sheet 4 of Docket No.: 1190-0625PUS1

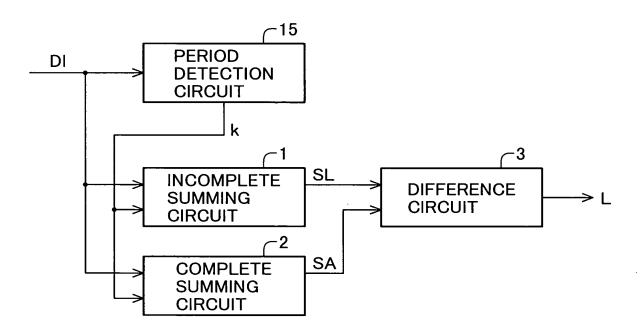
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FIG.6

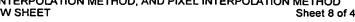


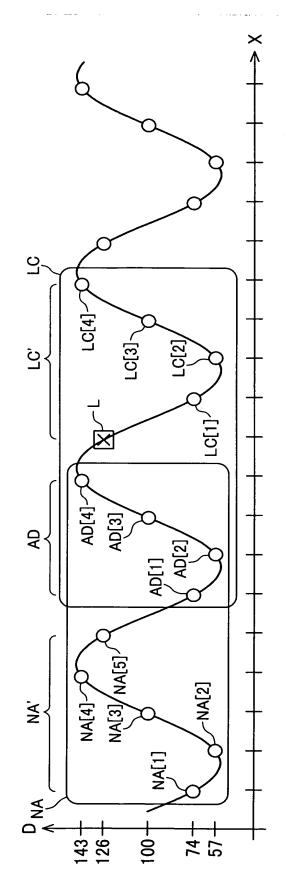
App No.: NEW Docket No.: 1190-0625PUS1

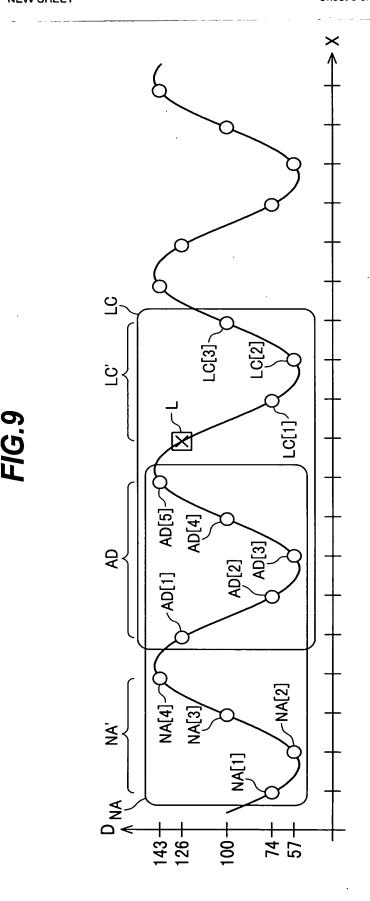
APP NO.: NEW Docket No.: 1190-0625PL Inventor: Satoshi YAMANAKA et al.

Title: MEAN PRESERVING INTERPOLATION CALCULATION CIRCUIT, PIXEL INTERPOLATION CIRCUIT, MEAN PRESERVING INTERPOLATION METHOD, AND PIXEL INTERPOLATION METHOD NEW SHEET Sheet 7 of Sheet 7 of 44

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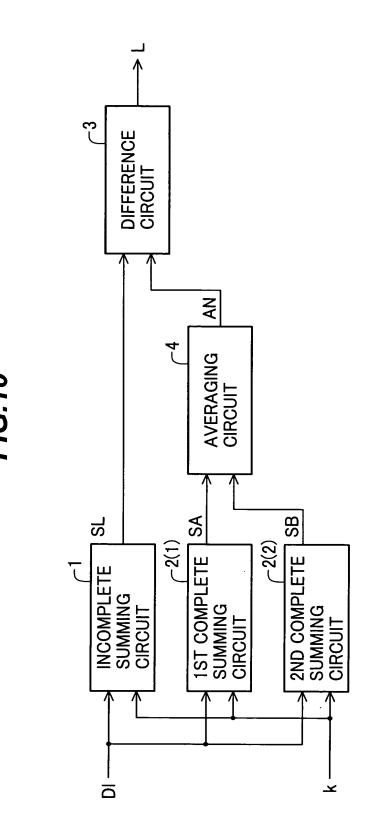


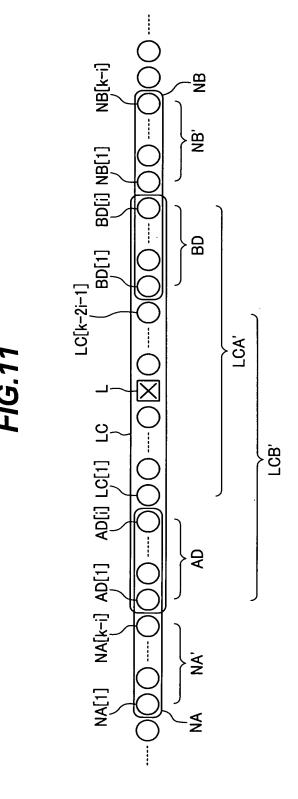


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Inventor: Satoshi YAMANAKA et al.

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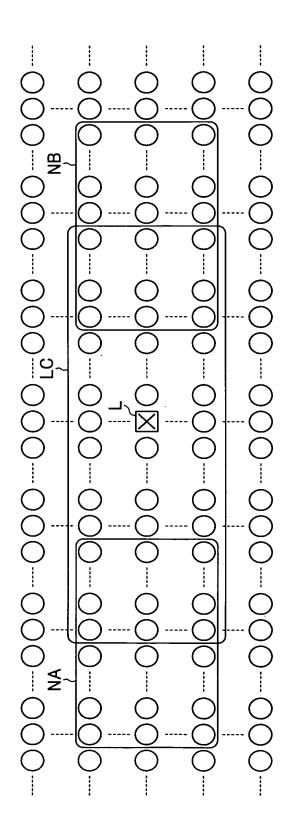
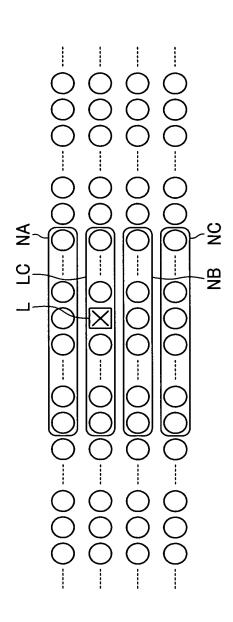


FIG.13



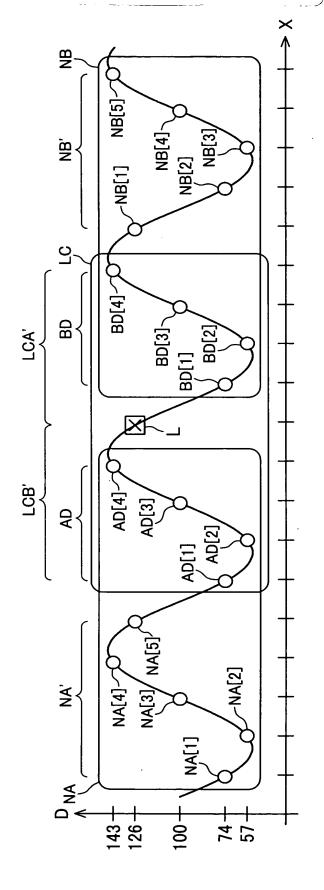
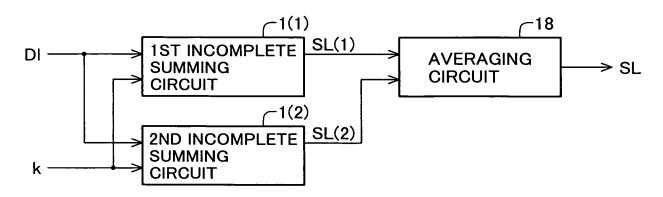


FIG.14

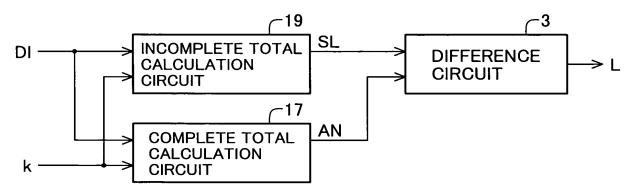
App No.: NEW Docket No.: 1190-0625PUS1 Inventor: Satoshi YAMANAKA et al.

Title: MEAN PRESERVING INTERPOLATION CALCULATION CIRCUIT, PIXEL INTERPOLATION CIRCUIT, MEAN PRESERVING INTERPOLATION METHOD, AND PIXEL INTERPOLATION METHOD NEW SHEET Sheet 15 of 44

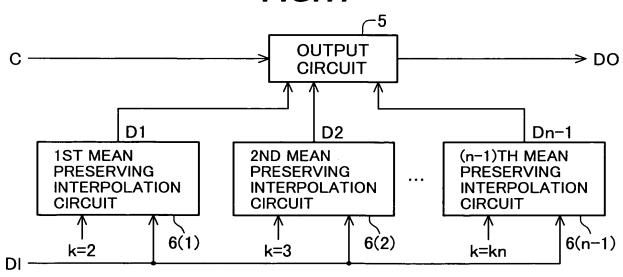
## **FIG.15**



### **FIG.16**

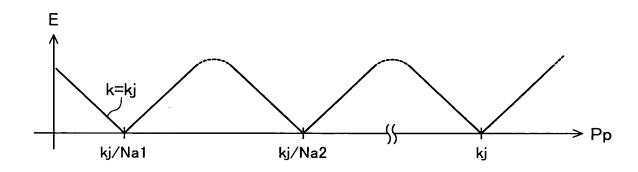


**FIG.17** 

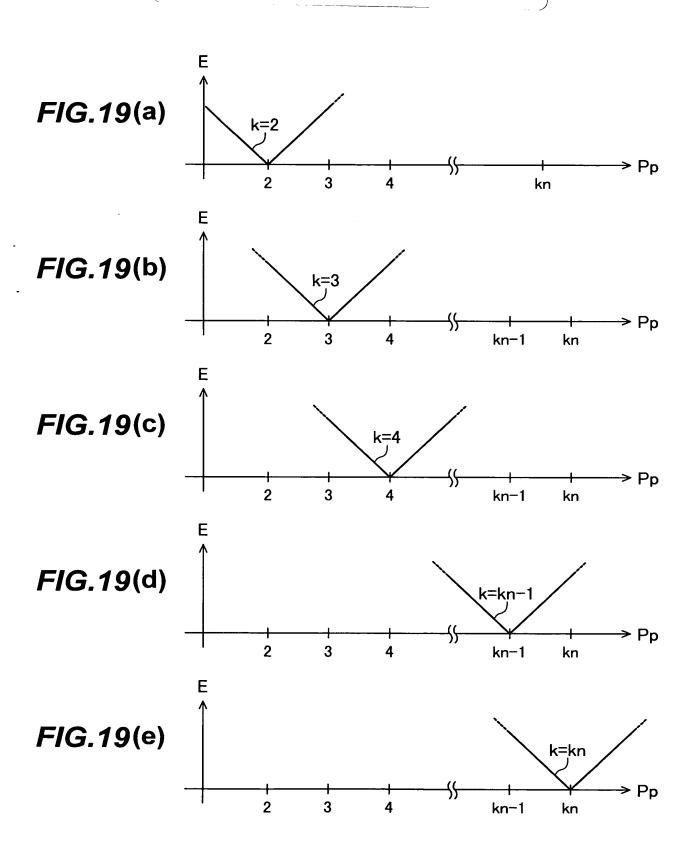


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Inventor: Satoshi YAMANAKA et al.
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**FIG.18** 



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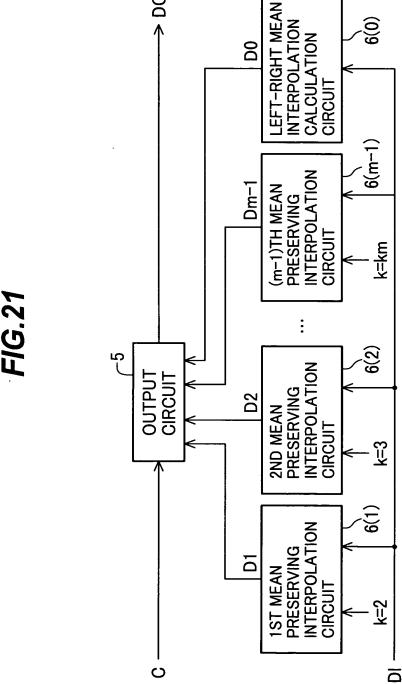
Inventor: Satoshi YAMANAKA et al.

Title: MEAN PRESERVING INTERPOLATION CALCULATION CIRCUIT,
PIXEL INTERPOLATION CIRCUIT, MEAN PRESERVING
INTERPOLATION METHOD, AND PIXEL INTERPOLATION METHOD

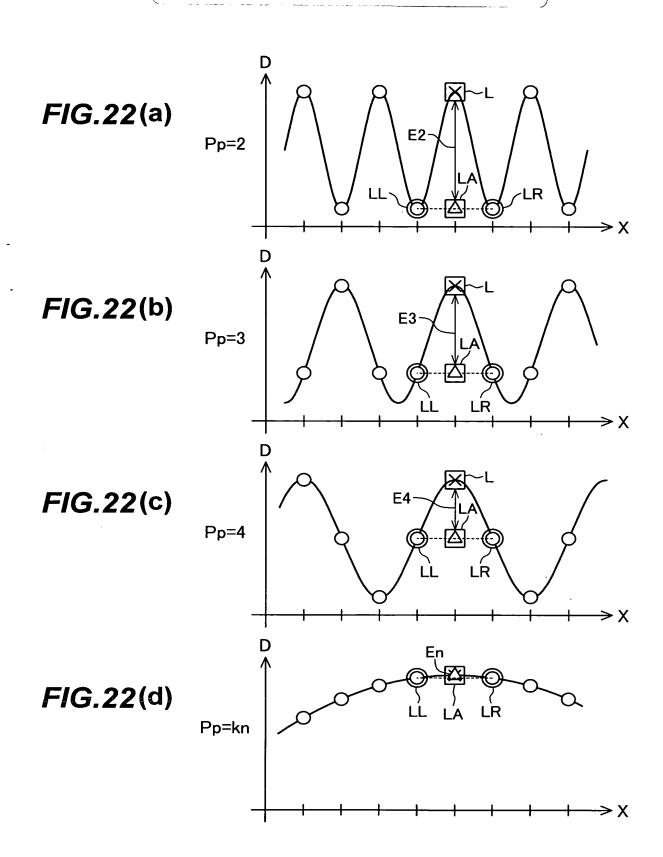
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Ф Рр 챪 <u>k</u>=n 줃 줃 k=kn-1 kn-1 Ā **k**=4 <u>¥</u> **R**4 <u>К</u>13 <u>K</u>13 <u>Kii</u>3 83 က က က **k**=2 **K**=2 ¥12 82  $\mathbb{R}^2$ FIG.20(a) FIG. 20(c)

(0)9



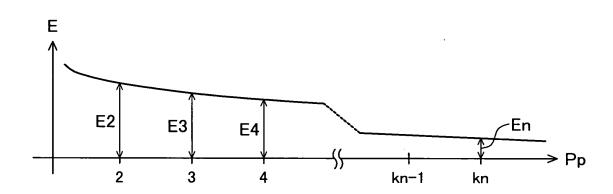
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Inventor: Satoshi YAMANAKA et al.
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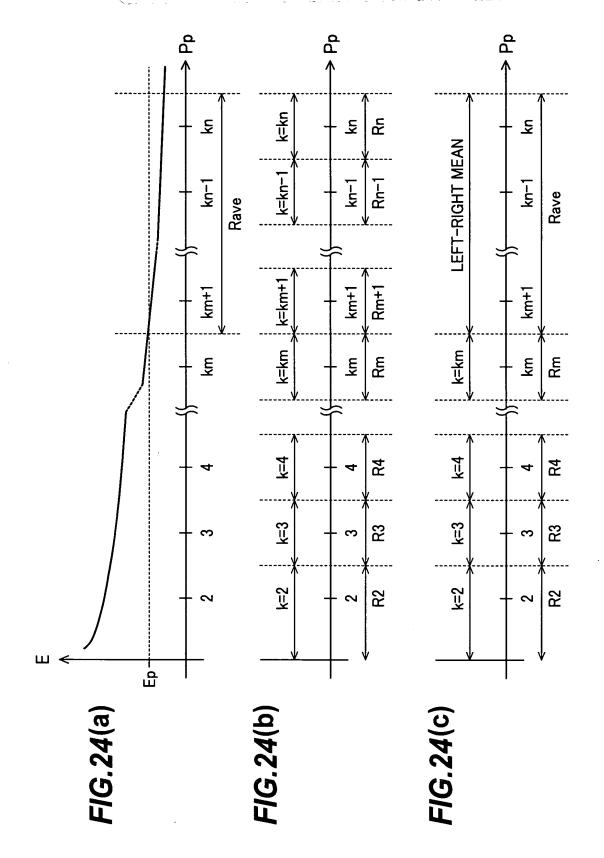
App No.: NEW Docket No.: 1190-0625PUS1 Inventor: Satoshi YAMANAKA et al.

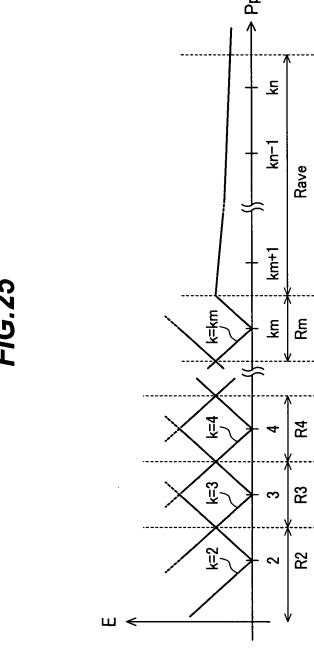
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**FIG.23** 

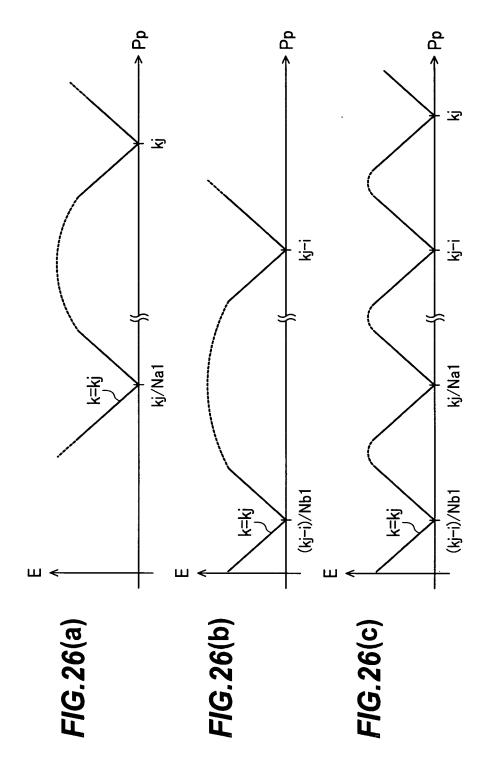


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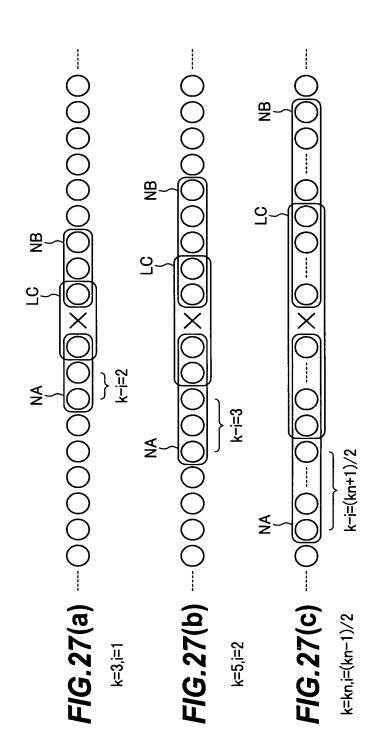
App No.: NEW Docket No.: 1190-0625PUS1
Inventor: Satoshi YAMANAKA et al.
Title: MEAN PRESERVING INTERPOLATION CALCULATION CIRCUIT,
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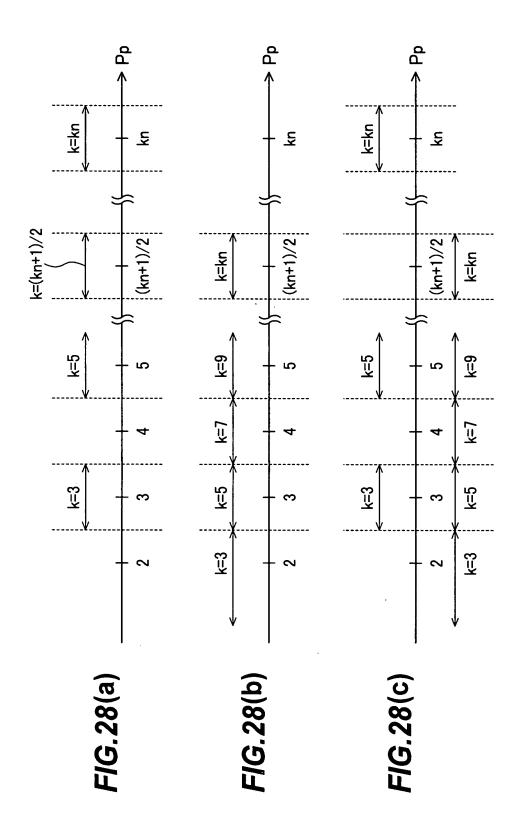
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App No.: NEW Docket No.: 1190-0625PU
Inventor: Satoshi YAMANAKA et al.
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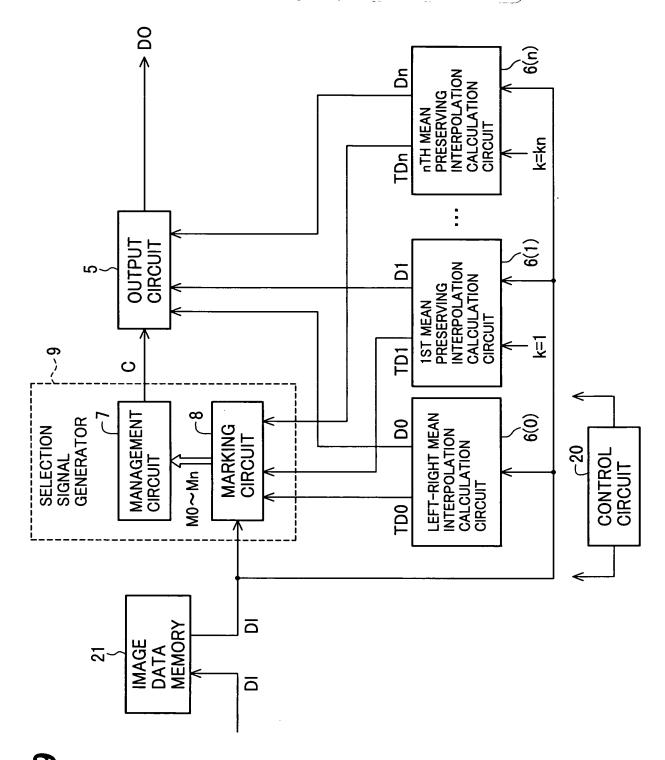
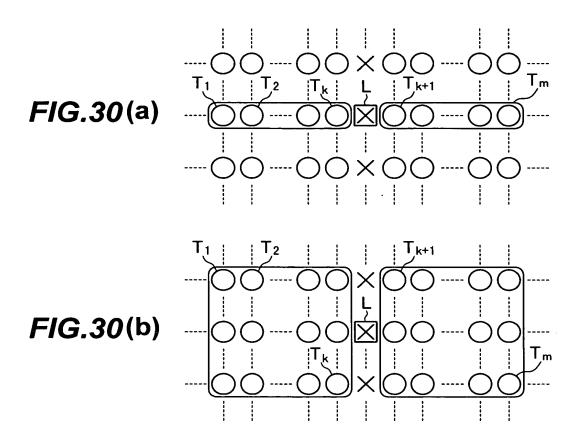


FIG. 29

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**FIG.31** 

	T <sub>1</sub>	T <sub>2</sub>		T <sub>m</sub>
LEFT-RIGHT MEAN INTERPOLATION CALCULATION CIRCUIT	M0[T <sub>1</sub> ]	M0[T <sub>2</sub> ]		M0[T <sub>m</sub> ]
1ST MEAN PRESERVING INTERPOLATION CALCULATION CIRCUIT	M1[T <sub>1</sub> ]	M1[T <sub>2</sub> ]		M1[T <sub>m</sub> ]
nTH MEAN PRESERVING INTERPOLATION CALCULATION CIRCUIT	Mn[T <sub>1</sub> ]	Mn[T <sub>2</sub> ]	•••••	Mn[T <sub>m</sub> ]

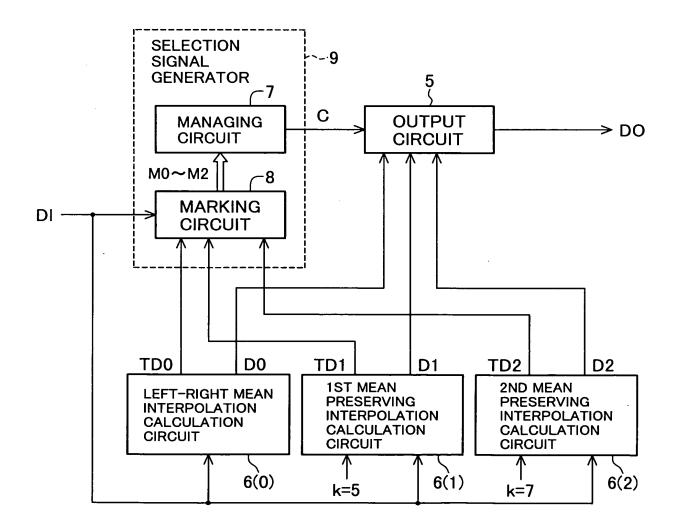
App No.: NEW Docket No.: 1190-0625PUS1
Inventor: Satoshi YAMANAKA et al.
Title: MEAN PRESERVING INTERPOLATION CALCULATION CIRCUIT,
PIXEL INTERPOLATION CIRCUIT, MEAN PRESERVING
INTERPOLATION METHOD, AND PIXEL INTERPOLATION METHOD

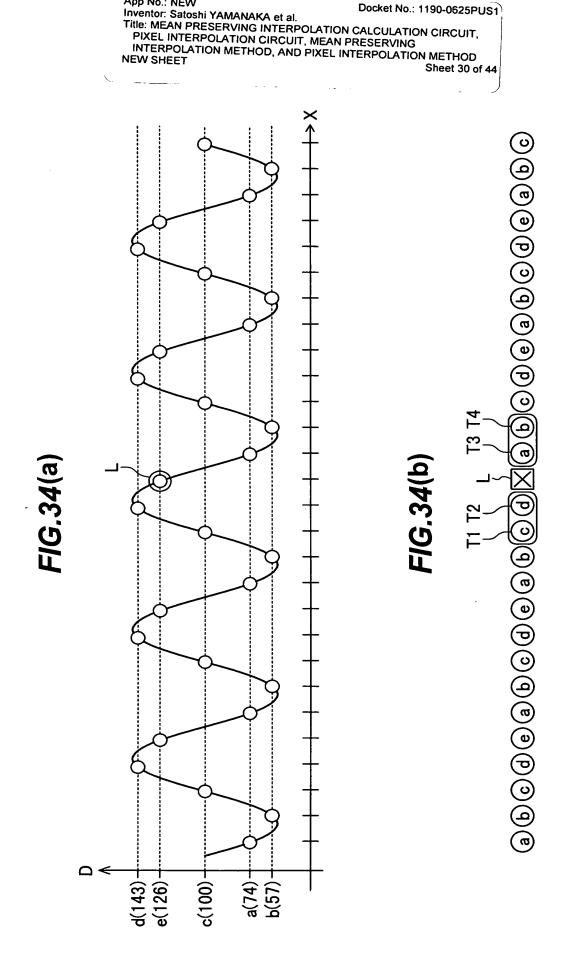
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FIG.32

LEFT-RIGHT MEAN INTERPOLATION CALCULATION CIRCUIT	S0
1ST MEAN PRESERVING INTERPOLATION CALCULATION CIRCUIT	S1
nTH MEAN PRESERVING INTERPOLATION CALCULATION CIRCUIT	Sn

**FIG.33** 





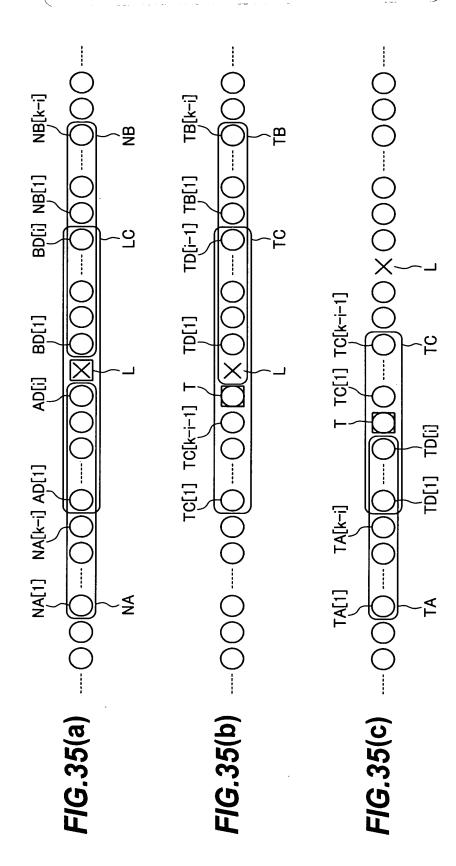
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App No.: NEW

Docket No.: 1190-0625PUS1 App No.: NEW Inventor: Satoshi YAMANAKA et al.
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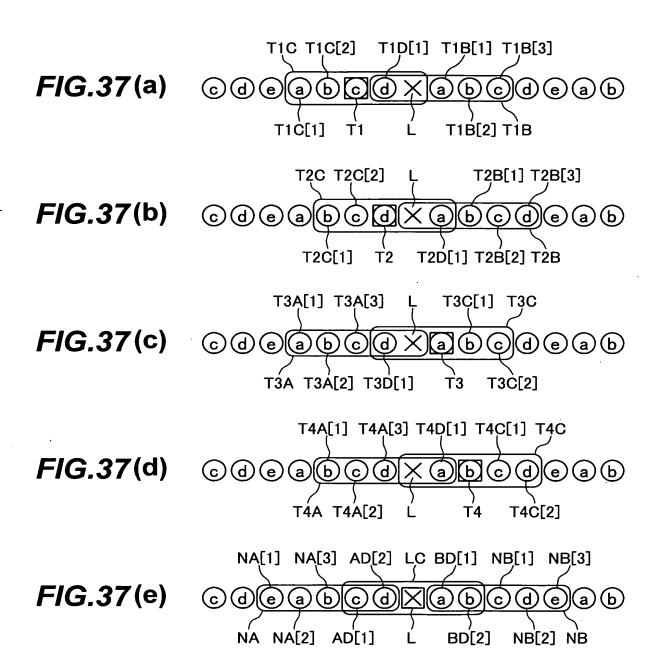
PIXEL INTERPOLATION CIRCUIT, MEAN PRESERVING

INTERPOLATION METHOD, AND PIXEL INTERPOLATION METHOD

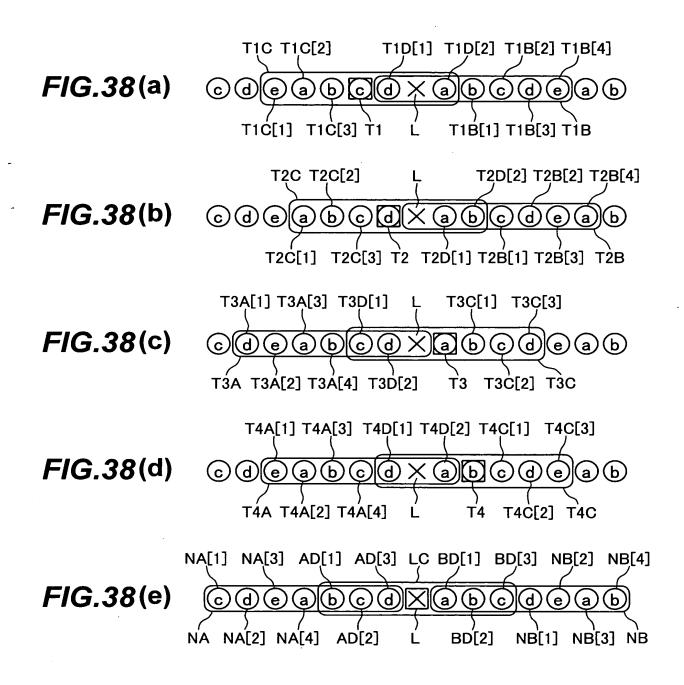
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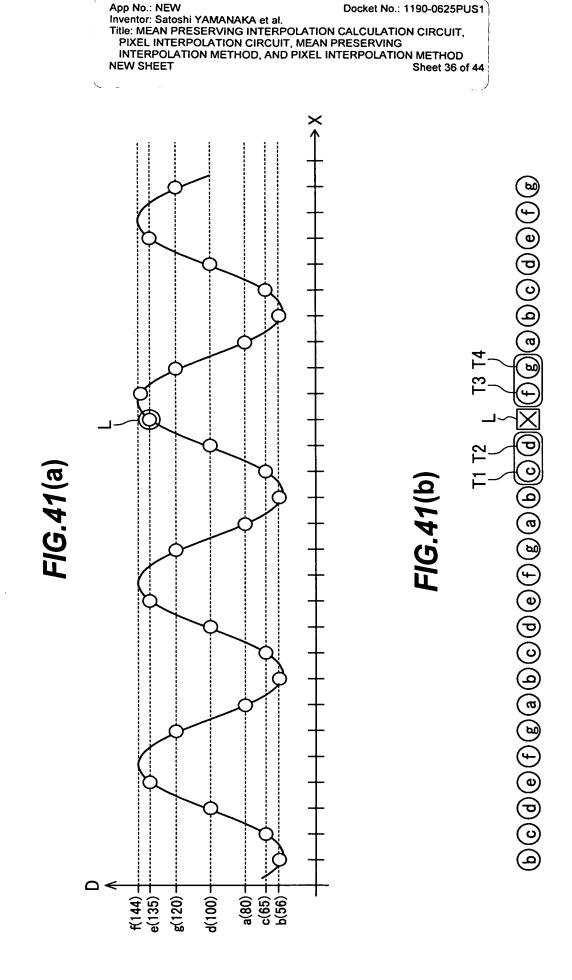
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FIG.39

	T1	T2	Т3	T4
М0	0	56	26	30
M1	0	0	0	0
M2	69	69	26	69

**FIG.40** 

S0	112
S1	0
S2	233



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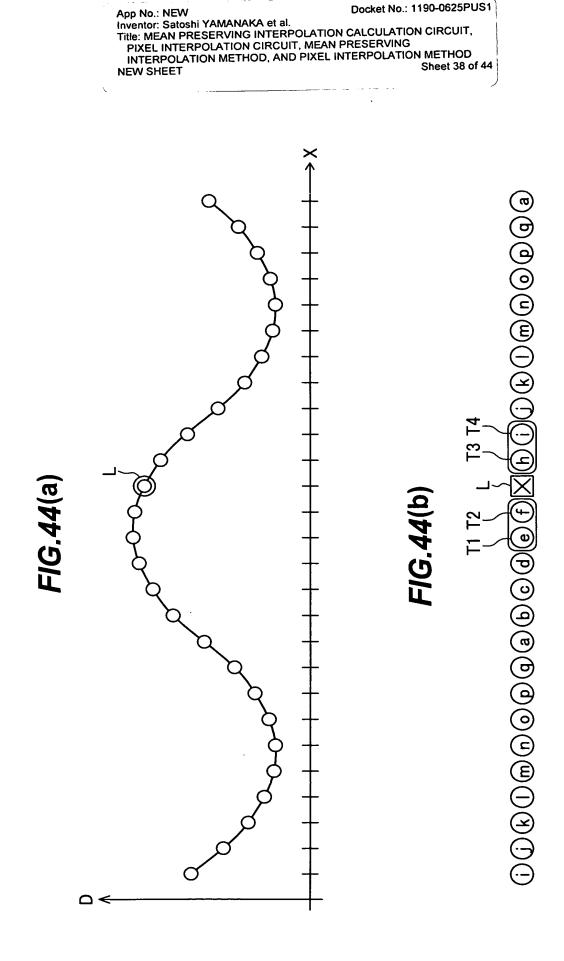
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# FIG.42

	T1	T2	Т3	T4
МО	13	4.5	71	8
M1	143	35	143	35
M2	0	0	0	0

**FIG.43** 

S0	96.5
S1	356
S2	0



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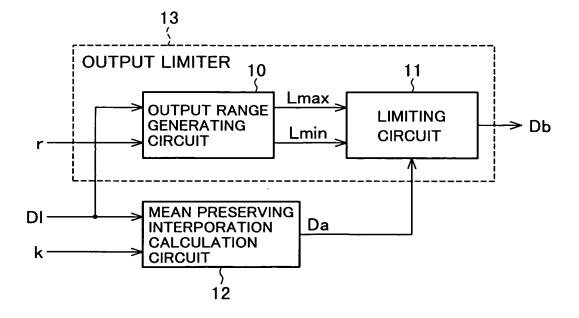
**FIG.45** 

	T1	T2	Т3	T4
МО	3.5	8.5	1.5	0
M1	91	152	91	152
M2	191	269	86	191

**FIG.46** 

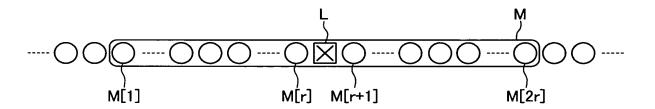
S0	13.5
S1	486
S2	737

**FIG.47** 



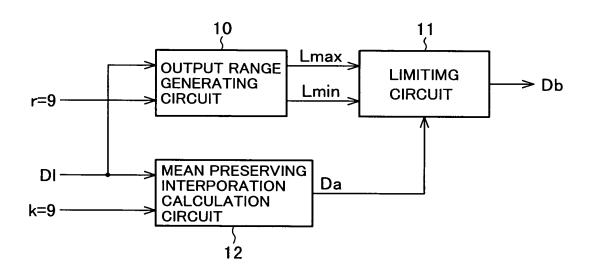
App No.: NEW Docket No.: 1190-0625PUS1
Inventor: Satoshi YAMANAKA et al.
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# **FIG.48**



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FIG.49



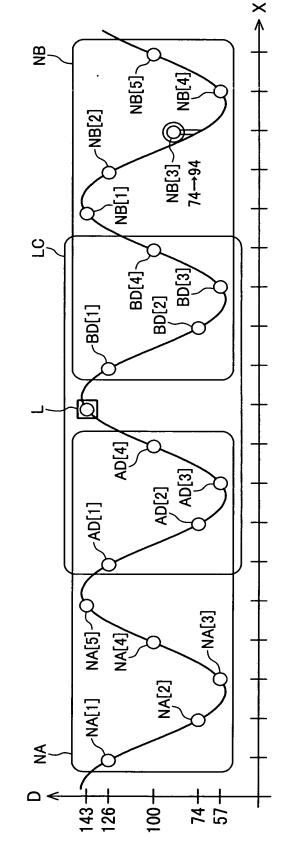
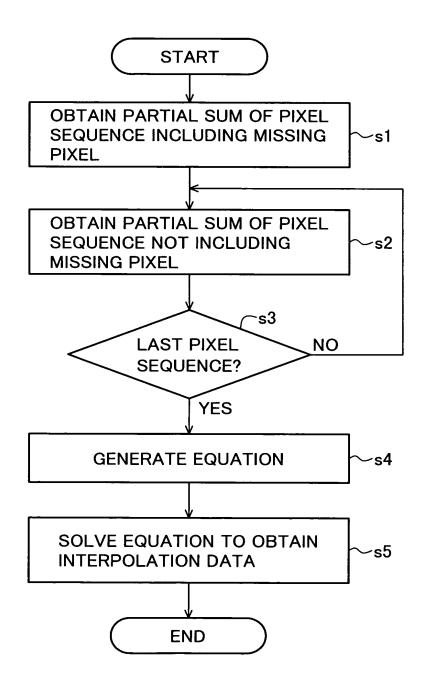


FIG.50

App No.: NEW Docket No.: 1190-0625PUS1 Inventor: Satoshi YAMANAKA et al.

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FIG.51



App No.: NEW Docket No.: 1190-0625PUS1 Inventor: Satoshi YAMANAKA et al.

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FIG.52

